Atty Dkt No. HESL 0101 PUSA

S/N: 10/553,132

Reply to Office Action of May 4, 2007

Amendments to the Claims:

Claims 1-12 (Canceled)

13. (Currently Amended) An optical device comprising a first combination of

birefringent wedges with parallel optic axes for dividing an optical input beam into polarized

beams and combining polarized beams into an output beam, a second combination of

birefringent wedges with parallel optic axes for combining polarized beams into an output

beam, and a polarization changer disposed between said first combination of birefringent

wedges and said second combination of birefringent wedges.

14. (Previously Presented) The optical device of claim 13, further comprising

a third combination of birefringent wedges with parallel optic axes disposed between said

polarization changer and said second combination of birefringent wedges.

15. (Previously Presented) The optical device of claim 13, wherein wedges of

at least one combination of birefringent wedges are arranged about at least one reflector or

refractor.

16. (Previously Presented) The optical device of claim 13, wherein wedges of

at least one combination of birefringent wedges are arranged about a polarization changer.

17. (Previously Presented) The optical device of claim 13, wherein said device

is an optical isolator and at least one polarization changer of said device is a nonreciprocal

polarization changer.

18. (Previously Presented) The optical device of claim 13, wherein said device

is an optical attenuator and at least one polarization changer of said device is a reciprocal

polarization changer.

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19. (Previously Presented) The optical device of claim 13, wherein said device

is an optical circulator and at least one polarization changer of said device is a nonreciprocal

polarization changer.

20. (Previously Presented) The optical device of claim 13, wherein at least one

polarization changer is a reciprocal polarization changer.

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